TXNDC17 cDNA Clone – Thioredoxin Domain Containing 17 (Human)

PRODUCT OVERVIEW

Product Name	TXNDC17, cDNA Clone
Full Product Name	TXNDC17 cDNA Clone
Product Gene Name	TXNDC17 cdna clone
Sequence	atggcccgct atgaggaggt gagcgtgtcc ggcttcgagg agttccaccg ggccgtggaa cagcacaatg gcaagaccat tttcgcctac tttacgggtt ctaaggacgc cgggggggaaa agctggtgcc ccgactgcgt gcaggctgaa ccagtcgtac gagaggggct gaagcacatt agtgaaggat gtgtgttcat ctactgccaa gtaggagaaa agccttattg gaaagatcca aataatgact tcagaaaaaa cttgaaagta acagcagtgc ctacactact taagtatgga acacctcaaa aactggtaga atctgagtgt cttcaggcca acctggtgga aatgttgttc tctgaagatt aa
Molecular Weight	13,941 Da
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TXNDC17 cdna clone	MBS1270345 is a cDNA clone targeting TXNDC17.
Other Notes	Small volumes of TXNDC17 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TXNDC17. It may not necessarily be applicable to this product.

NCBI GI #	33871857
NCBI GeneID	84817
NCBI Accession #	BC006405
UniProt Secondary Accession #	A8K7E8
UniProt Related Accession #	Q9BRA2
NCBI Official Full Name	Homo sapiens thioredoxin domain containing 17, mRNA
NCBI Official Synonym Full Names	thioredoxin domain containing 17
NCBI Official Symbol	TXNDC17
NCBI Official Synonym Symbols	TRP14; TXNL5
UniProt Protein Name	Thioredoxin domain-containing protein 17
UniProt Synonym Protein Names	14 kDa thioredoxin-related protein; TRP14; Protein 42-9-9; Thioredoxin-like protein 5
UniProt Gene Name	TXNDC17
UniProt Synonym Gene Names	TXNL5; TRP14
UniProt Entry Name	TXD17_HUMAN
NCBI Protein Information	thioredoxin domain-containing protein 17

UniProt Comments for TXNDC17	TXNL5: Disulfide reductase. May participate in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyze dithiol-disulfide exchange reactions. Modulates TNF-alpha signaling and NF-kappa-B activation. Has peroxidase activity and may contribute to the elimination of cellular hydrogen peroxide. Belongs to the thioredoxin family. Protein type: Oxidoreductase Chromosomal Location of Human Ortholog: 17p13.1 Cellular Component: cytosol Molecular Function: peroxidase activity; protein binding; protein-disulfide reductase activity Biological Process: tumor necrosis factor-mediated signaling pathway
Research Articles on TXNDC17	**1.** found STAT3 could bind promoter region of TXNDC17 (-623 bp to -58 bp relative to the transcription start site (TSS)) for regulating its expression
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